

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
1 July 2004 (01.07.2004)

PCT

(10) International Publication Number  
WO 2004/054472 A3

(51) International Patent Classification<sup>7</sup>: A61F 2/06

(21) International Application Number: PCT/GB2003/005467

(22) International Filing Date: 16 December 2003 (16.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 0229274.6 16 December 2002 (16.12.2002) GB

(71) Applicant (for all designated States except US): ANSON MEDICAL LIMITED [GB/GB]; 67 Milton Park, Abingdon, Oxfordshire OX14 4RX (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): KEEBLE, Duncan, Robert [GB/GB]; c/o 67 Milton Park, Abingdon, Oxfordshire OX14 4RX (GB).

(74) Agents: TOLLETT, Ian et al.; Williams Powell, Morley House, 26-30 Holborn Viaduct, London EC1A 2BP (GB).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

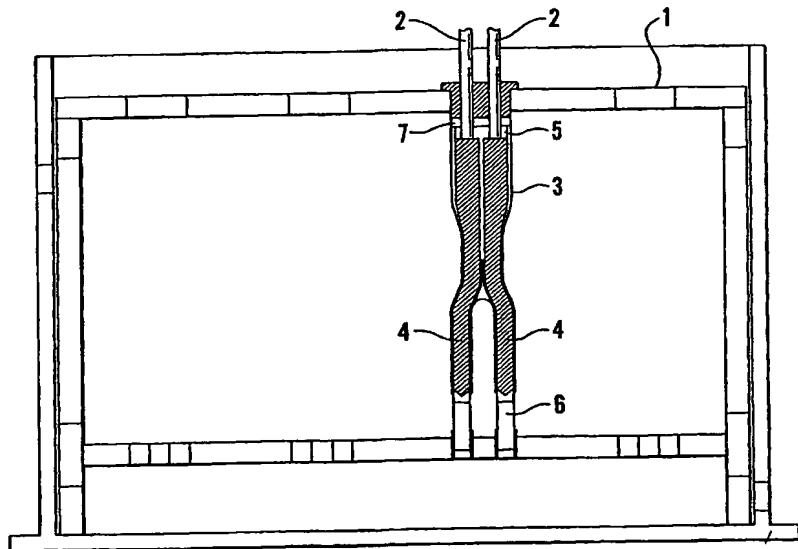
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 16 September 2004

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR TESTING PULSATILE ENDURANCE OF A VASCULAR IMPLANT



WO 2004/054472 A3

(57) Abstract: A method for testing the pulsatile endurance of a vascular implant (3) comprises placing a resilient insert (4) into the implant and repeatedly expanding and contracting the insert, thereby expanding and contracting the implant. The insert preferably has a cavity therein and is repeatedly expanded and contracted by repeatedly increasing and decreasing the pressure in the cavity.



*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*